

WHAT IS CLAIMED IS:

1. A design method of a product with three-dimensional model, wherein:

a three-dimensional CAM model is prepared, a CAE analysis is
5 performed for said three-dimensional CAM model, and then the drawings of a
product are prepared with the results of said CAE analysis.

2. A design method of a product with three-dimensional model, comprising:

(1) a first step to prepare a three-dimensional CAM model

10 (2) a second step to perform a CAE analysis for said three-dimensional
CAM model

(3) a third step to correct said three-dimensional CAM model on the basis
of said CAE analysis if the defects exist

15 (4) a fourth step to manufacture a trial product on the basis of said
three-dimensional CAM model

(5) a fifth step to test said trial product

(6) a sixth step to prepare the drawings on the basis of the results of said
test

20 3. A design method of a product with three-dimensional model,
comprising:

(1) a first step to prepare a three-dimensional CAM model

(2) a second step to perform a CAE analysis for said three-dimensional
CAM model

25 (3) a third step to correct said three-dimensional CAM model on the basis
of said CAE analysis if the defects exist

- (4) a fourth step to manufacture a trial product on the basis of said three-dimensional CAM model
- (5) a fifth step to test said trial product
- (6) a sixth step to correct said three-dimensional CAM model on the basis of the results of said test if the defects exist
- (7) a seventh step to iterate said fourth through sixth steps until the defects are solved
- (8) an eighth step to prepare the drawings on basis of the three-dimensional CAM model obtained at said seventh step